BID FORM

MISSOURI DEPARTMENT OF TRANSPORTATION
GENERAL SERVICES
1320 CREEK TRAIL – P.O. BOX 270
JEFFERSON CITY, MO 65109

REQUEST NO.		4-100604BT2
DATE		May 27, 2010
PAGE NO.	1	NO. OF PAGES

SEALED BIDS, SUBJECT TO THE ATTACHED CONDITIONS WILL BE RECEIVED AT THIS OFFICE UNTIL

2:00 p.m., Local Time, June 4, 2010

AND THEN PUBLICLY OPENED AND READ FOR FURNISHING THE FOLLOWING SUPPLIES OR SERVICES.

BIDS TO BE BASED F.O.B. MISSOURI DEPARTMENT OF TRANSPORTATION
Submit net bid as cash discount stipulations will not be considered

Jefferson City, MO

DEFINITE DELIVERY DATE SHOULD BE SHOWN. SIGN AND RETURN BEFORE TIME SET FOR OPENING. **ALL BIDS SHOULD BE EXTENDED AND TOTALED.**

BUYER: Brenda Tyree
BUYER TELEPHONE: 573- 751-7482
BUYER EMAIL:
Brenda.Tyree@modot.mo.gov

ITEM NO	SUPPLIES OR SERVICES
001	**WEATHER METERS**
	To establish a contract to furnish "Weather Meters" with an effective date of Notice to Proceed and ending June 30, 2010, in accordance with the following pages.

Components of Agreement: The Agreement between MHTC and the successful Bidder shall consist of: the RFB and any written amendments thereto, the "Standard Bid/Proposal Provisions, General Terms and Conditions and Special Terms and Conditions" that are attached to this RFB, the bid submitted by the Bidder in response to the RFB and the post-award contract agreement signed between the parties. However, MHTC reserves the right to clarify any relationship in writing and such written clarification shall govern in case of conflict with the applicable requirements stated in the RFB or the Bidder's bid. The Bidder is cautioned that its bid shall be subject to acceptance by MHTC without further clarification.

Return sealed bid to the address shown at the top of this page.

(SEE ATTACHED FOR CONDITIONS AND INSTRUCTIONS)

In compliance with the above Request For Bid, and subject to all conditions thereof, the undersigned bidder agrees to furnish and deliver any or all the items on which prices were bid within the timeframe specified herein, after receipt of formal purchase order.

Date: _____
Telephone No.: _____
Fax No.: _____
Federal I.D. No. _____
Email Address: _____

Firm Name: _____
Address: _____
_____
By (Signature): _____
Type/Print Name _____
Title: _____

WEATHER METERS				
Item #	Description	Est. Qty.	Unit Price	Extended Price
001	Weather Meters, pocket size, and as specified herein	10	$_____ ***Per each***	$_____ ***Total***

Specifications are on the following pages.

Measurement Response Time	**Units**	**Operational Range**	**Resolution**	**Accuracy (+/-)**	**Specification Range**
Wind Speed (Air Velocity) 1 second	m/s	0.4 to 60.0 m/s	0.1	Larger of 3% of reading or least significant digit	0.4 to 40.0 m/s
	ft/min	59 to 11,948 ft/min	1		59 to 7877 ft/min
	km/h	1.0 to 218.0 km/h	0.1		1.0 to 144.0 km/h
	mph	0.8 to 135.0 mph	1		0.8 to 89.0 mph
	knots	0.6 to 118.3 kt	0.1		0.6 to 78.0 kt
	Beaufort	0 to 12 B	0.1		0 to 12 B
Temperature 1 second	°F	-49.0 to 257.0 °F	0.1	1.8 °F	-20.0 to 158.0 °F
	°C	-45.0 to 125.0 °C	0.1	1.0 °C	-29.0 to 70.0 °C
Relative Humidity 1 minute	%RH	0.0 to 100.0 %	0.1	3.0 %RH	5.0 to 95.0 % non-condensing
Evaporation Rate 1 second	lb/ft2/hr	0.00 to 1.00 lb/ft2/hr	0.01	Typical: ±0.02 lb/ft2/hr	0.00 to 1.00 lb/ft2/hr
	kg/m2/hr	0.00 to 5.00 kg/m2/hr	0.01	Typical: ±0.1 kg/m2/hr	0.00 to 5.00 kg/m2/hr
Pressure 1 second (mb & PSI 4000 model only)	inHg	8.86 to 32.48 inHg	0.01	0.05 inHg	At 77.0 °F, <19,700 ft
	hPa / mb	300.0 to 1100.0 hPa / mb	0.1	1.5 hPa / mb	At 25.0 °C, <6,000 m
	PSI	4.4 to 16.0 PSI	0.1	0.1 PSI	At 77.0 °F, <19,700 ft
Altitude 1 second	ft	-6000 to 30000 ft	1	50 ft	At 77.0 °F, <19,700 ft. Max error +/- 98 ft
	m	-2000 to 9000 m	1	15 m	At 25.0 °C, <6,000 m. Max error +/- 30 m
Wind Chill 1 second	°F	0.7 to 135.0 MPH, -49.0 to 257.0 °F	0.1	1.8 °F	1.8 to 89.0 mph, -50.0 to 50.0 °F
	°C	0.4 to 60.0 m/s, -45.0 to 125.0 °C	0.1	1.0 °C	0.4 to 40 m/s, -45.6 to 10.0 °C
Heat Index 1 minute	°F	0.0 to 100.0 %RH, -49.0 to 257.0 °F	0.1	3.6 °F	70.0 to 130.0 °F, 0 to 100% RH
	°C	0.0 to 100.0 %RH, -45.0 to 125.0 °C	0.1	2.0 °C	21.1 to 54.4 °C, 0 to 100 %RH
Dewpoint 1 minute	°F	0.0 to 100.0 %RH, -49.0 to 257.0 °F	0.1	3.6 °F	-20.0 to 158.0 °F, 20.0 to 95.0% RH
	°C	0.0 to 100.0 %RH, -45.0 to 125.0 °C	0.1	2.0 °C	-29.0 to 70.0 °C, 20.0 to 95.0 %RH
Wet Bulb Temperature 1 minute	°F	-49.0 to 257.0 °F, 0.0 to 100.0 %RH, 8.86 to 32.48 inHg	0.1	3.6 °F	32.0 to 100.0 °F, 5.0 to 95.0% RH, 8.86 to 32.48 inHg, <19700 ft
	°C	-45.0 to 125.0 °C, 0.0 to 100.0 %RH, 300.0 to 1100.0 hPa	0.1	2.0 °C	0.0 to 37.8 °C, 5.0 to 95.0 %RH, -2000.0 to 9000.0 hPa, <6000 m
Density Altitude 1 second	ft	-49.0 to 257.0 °F, 0.0 to 100.0 % RH, 8.86 to 32.48 inHg	1	246	32.0 to 100.0 °F, 5.0 to 95.0 %RH, 8.86 to 32.48 inHg, <19700 ft
	m	-45.0 to 125.0 °C, 0.0 to 100.0 %RH, 300.0 to 1100.0 hPa	1	75	0.0 - 37.8 °C, 5.0 to 95.0 %RH, -2000 to 9000 hPa, <6000 m
Max/Avg Wind Speed (Air Velocity)	One-button clear and restart of Max Wind Gust and Average Wind measurement.				
Data Storage /	Minimum, maximum, average and logged history stored and displayed for every				

Display	measured value. 3600-point data logger with graphical display. Auto data storage; interval settable from 2 seconds to 12 hours. Manual data capture.
Data Upload	RS-232 connection with USB adapter available.
Display	Multifunction, multi-digit programmable dot-matrix display.
Display Update	1 second.
Display Backlight	Aviation green electroluminescent backlight. Automatic or manual activation.
Clock / Calendar	Real-time hours:minutes:seconds clock, calendar, automatic leap-year adjustment.
Operational Temperature Range (LCD and Batteries)	The operational temperature range of the liquid crystal display and batteries is 14° F to 131° F / -10 °C to 55 °C. Beyond the limits of the operational temperature range, the unit must be maintained within range and exposed for minimum time necessary to take reading.
Storage Temperature	-22 °F to 140 °F / -30 °C to 60 °C.
Auto Shutdown	User-selectable: 15 or 60 minutes with no key presses or disabled.
Languages	English
Certifications	CE certified. Individually tested to NIST-traceable standards (written certificate of tests available at additional charge).
Batteries	AAA Alkaline, two. Average life, 400 hours of use, +/-depending on backlight use.
Environmental	Waterproof (IP67 standard). Drop-tested (MIL.STD.810F; unit only).